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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION

SECURITIES BLDG.

HELENA, MONTANA

VOL. VII, No. 10 McKEE PRINT. October, 1959

Production of crude oil and condensate from the oil and gas areas of Montana for the month of October, 1959, averaged 81,961 barrels daily, a decrease of 2,144 barrels from the average September production of 84,105.

The ten refineries in the State processed 70,168 barrels of crude oil daily for the month of October, 1959, an increase of 1,004 barrels daily from the 69,164 barrels processed daily during the month of September, 1959.

During October, 37 wells were completed, 14 oil, 3 gas wells and 20 dry holes.

During October, the Commission issued 39 permits to drill new wells, an increase of 6 from the 33 permits issued during September.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING STORAGE, ETC., IN MONTANA

MONTH OF OCTOBER, 1959

IN STORAGE OCTOBER 1st:	
By Producers	372,219
By Transporters	647,228
By Refiners	575,588
TOTAL STORAGE	1,595,035
Produced in Montana During Month	2,540,797
Imported During Month	1,704,636
TOTALS	5,840,468
DISPOSITION:	
Refined in Montana	2,175,216
Exported	2,036,393
Used for Fuel or Lost	10,563
TOTAL	4,222,172
IN STORAGE OCTOBER 31st:	
By Producers	372,301
By Transporters	658,992
By Refiners	587,003
TOTAL STORAGE	1,618,296

NATURAL GAS WITHDRAWALS IN MONTANA

Month of October, 1959

Field	M Cu. FT.
Bears Den	13,521
Big Coulee	76,779
Bowdoin	609,731
Bowes	27,469
Box Elder	0
Cabin Creek	83,246
Cedar Creek	471,215
Clarks Fork	36,319
Cut Bank (Including Reagan)	855,445
Devon	17,088
Dry Creek	119,258
Elk Basin	114,679
Flat Coulee	7,042
Golden Dome	0
Grandview	83,599
Hardin	3,303
Keith Block	0
Kevin Sunburst	89,990
Pine	77,205
Plevna	17,346
Utopia	109,437
Whitlash	17,676
Miscellaneous	80,359
TOTAL	2,910,707

Total Withdrawals for October, 1958 were 2,701,534 M Cu. Ft.

PRODUCER'S REPORT
MONTH OF OCTOBER, 1959

Leases Operated	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	646	2,681	.....	2,687	.....	640
5	Bannatyne	10	2,840	1,961	.....	1,961	.....	2,840
....	Belfry	....	45	.....	.....	.....	.....	45
10	Big Wall	24	2,895	18,647	.....	18,844	97	2,601
11	Blackfoot	15	3,240	9,028	.....	8,485	85	3,698
1	Border	1	.....	379	.....	379	.....	.....
20	Bowes	83	3,753	26,568	24,498	.....	.....	5,823
1	Bredette	1	1,843	482	802	.....	.....	1,523
2	North Bredette	2	3,918	4,013	4,860	.....	287	2,784
3	Brorson	3	4,056	4,317	5,271	.....	.....	3,102
2	Cabin Creek	93	7,804	345,983	345,714	.....	466	7,607
25	Cat Creek	80	4,895	12,493	7,630	4,821	.....	4,937
1	Clark's Fork	1	669	288	.....	781	.....	176
3	Clark's Fork North	4	4,320	14,906	.....	14,845	.....	4,381
2	Cupton	2	1,190	1,466	1,761	.....	.....	895
359	Cut Bank	1,144	126,363	180,805	182,854	.....	.....	124,314
3	Deer Creek	6	2,062	19,035	19,139	.....	.....	1,958
4	Delphia	4	1,710	4,321	.....	5,056	.....	975
1	Devil's Basin	1	1,188	124	.....	.....	.....	1,312
5	Dry Creek	6	1,341	3,422	3,638	.....	.....	1,125
20	Elk Basin	58	3,542	348,431	347,773	.....	.....	4,200
....	Fertile Prairie	....	1,584	.....	.....	.....	.....	1,584
2	Frannie	2	501	2,567	2,033	.....	.....	1,035
2	Gage	2	1,143	1,940	.....	2,227	2	854
4	Gas City	11	2,812	17,528	16,312	.....	94	3,934
6	Glendive	12	3,597	39,774	38,406	.....	.....	4,965
3	Gypsy Basin	3	789	862	.....	177	.....	1,474
2	Hawk Creek	2	880	344	.....	485	.....	739
5	Ivanhoe	13	4,456	20,721	.....	21,573	.....	3,604
199	Kevin-Sunburst	1,390	16,126	70,895	71,518	.....	.....	15,503
2	Line Coulee	2	1,879	1,002	1,126	.....	.....	1,755
1	Little Beaver	7	1,668	14,738	14,102	.....	.....	2,304
4	East Little Beaver	5	3,414	4,785	5,882	.....	.....	2,317
5	Melstone	9	1,831	4,982	.....	5,335	.....	1,478
3	Monarch	4	3,836	16,035	16,603	.....	.....	3,268
3	Mosser	5	360	574	.....	538	.....	396
10	Outlook	14	18,788	37,874	45,821	.....	.....	10,841
2	South Outlook	2	.....	2,542	2,542	.....	.....	.....
10	Pennel	21	6,248	40,777	39,764	.....	.....	7,261
5	Pine	139	8,130	404,808	396,492	.....	.....	16,446
80	Pondera	333	9,473	44,733	44,745	.....	.....	9,461
7	East Poplar	93	23,997	303,945	302,936	.....	.....	25,006
3	Northwest Poplar	4	2,396	1,975	2,794	.....	.....	1,577
4	Ragged Point	9	2,443	15,057	.....	14,299	.....	3,201
....	Rattlesnake Butte	....	116	.....	.....	.....	.....	116
4	Reagan	50	3,327	17,113	17,319	.....	.....	3,121
6	Red Creek	13	2,220	19,150	.....	17,204	70	4,096
1	Redstone	1	657	486	803	.....	.....	340
1	Repeat	1	651	4,863	5,116	.....	.....	398
9	Richey	12	9,003	17,967	20,923	.....	300	5,747
3	Sand Creek	4	2,873	15,863	15,558	.....	.....	3,178
2	Snyder	4	562	2,113	.....	2,189	.....	486
5	Soap Creek	18	2,153	6,225	.....	5,778	.....	2,600
2	Southwest Richey	2	1,423	9,307	8,464	.....	.....	2,266
7	Stensvad	19	7,362	144,012	141,074	.....	51	10,249
26	Sumatra	80	21,487	175,209	178,489	.....	151	18,056
3	Sweetgrass Hills	3	506	557	.....	377	.....	686
9	Whitlash	36	14,662	4,982	3,485	671	626	14,862
6	Wills Creek	11	4,446	30,759	28,808	.....	.....	6,397
9	Wolf Springs	19	4,726	42,098	42,854	.....	.....	3,970
3	Woodrow	3	723	2,285	1,865	.....	.....	1,143
....	Yellowstone	....	651	.....	.....	.....	.....	651
937		3,900	372,219	2,540,797	2,409,774	128,712	2,229	372,301

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1958	27,958,649	76,593	27,878,576	76,379
First Quarter, 1959	7,287,446	80,971	7,258,943	80,654
Second Quarter, 1959	7,262,121	79,803	7,245,821	79,624
Third Quarter, 1959	7,720,041	83,913	7,718,520	83,896
October, 1959	2,540,797	81,961	2,538,486	81,886

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1958	342,798	707,901	518,033	1,568,732
March, 1959	368,699	661,262	562,586	1,592,547
June, 1959	376,081	627,475	812,606	1,816,162
September 1959	372,219	647,228	575,588	1,595,035
October, 1959	372,301	658,992	587,003	1,618,296

*Includes Wyoming Oil.

TRANSPORTERS REPORT

MONTH OF OCTOBER, 1959

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,687				2,687		
BANNATYNE—Truck			1,961			1,961			
BIG WALL—Truck			18 844			18,844			
BLACKFOOT—Union Oil Co.			8,485			8,485			
BORDER—Truck			379			379			
BOWES—									
Trigood Oil Co.	2,318	3,659			6	2,230			3,741
Texaco Inc.		20,839				20,839			
	2,318	24,498			6	23,069			3,741
BRORSON—Sun Oil Company		5,271					5,271		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	298,312	864,802		479,073			1,320,874		321,313
Shell Pipe Line Corp.	2,830	87,474			5,507			83,557	1,240
	301,142	952,276		479,073	5,507		1,320,874	83,557	322,553
CAT CREEK—									
Continental Pipe Line Co.	4,819	7,630			(562)	8,030			4,981
Truck			4,821			4,821			
	4,819	7,630	4,821		(562)	12,851			4,981
CLARK'S FORK—Truck			15,626				15,626		
CUT BANK—									
Big West Oil Co.		765		31,359		32,124			
Darling Gathering System, Inc.	1,201	5,148						5,128	1,221
Phillips Petroleum Co.	36,805	50,512		33,529	112	76,627		2,587	41,520
Texas Pipe Line Co.	43,472	31,022		19,761	926	16,783		34,066	42,480
Toronto Pipe Line Co.	29,622	49,338			(301)			51,081	28,180
Union Oil Co.	144,401	42,287		11,411	(486)	76,961		3,794	117,830
	255,501	179,072		96,060	251	202,495		96,656	231,231
DELPHIA—Truck			5,056			5,056			
DRY CREEK—Ohio Oil Co.	8,316	3,638			236	3,050			8,668
ELK BASIN—Ohio Oil Co.		347,773					347,773		
FRANNIE—Ohio Oil Co.		2,033					2,033		
GAGE—Truck			2,227			2,227			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
The Texas Pipe Line Co.	4,556	75,030			(297)		45 673	28,404	5,806
GYPSY BASIN—Truck			177			177			
HAWK CREEK—Truck			485			485			
IVANHOE—Truck			21,573			450	21,123		
KEVIN-SUNBURST—									
Big West Oil Co.	2,128	46,037				46,042			2,123
Homestake Oil & Gas Co.	1,263	3,777		5,128				8,779	1,389
The Texas Pipe Line Co.	4,077	33,327			152	33,175			4,077
	7 468	83,141		5,128	152	79,217		8,779	7,589
MELSTONE—Truck			5,335			5,335			
MOSSER—Truck			538				538		
PONDERA—Phillips Petr. Co.	13,393	46,895			15	40 098			20,175
POPLAR, BREDETTE, OUTLOOK, SOUTH OUTLOOK, LINE COULEE, REDSTONE & RICHEY—									
East Poplar Gathering System	16 584	365,303			(370)			363.194†	19,063
RAGGED POINT—Truck			14,299			14,299			
REAGAN—Union Oil Co.		17,319				17,319			
RED CREEK—Truck			17,204			9 133	8.071		
SNYDER—Truck			2,189				2,189		
SOAP CREEK—Truck			5,778				5,778		
SUMATRA AND STENSVAD—									
Powder River Pipe Line Inc.	27 571	308.892			1,009	52.452	258.757		24.245
SWEETGRASS HILLS—Truck			377			377			
WHITLASH—									
Homestake Oil & Gas Co.				3,187		3,187			
Western Natural Gas Co.	1,107	3,485						2,858	1,734
Truck			671			671			
	1.107	3.485	671	3,187		3.858		2.858	1,734
WOLF SPRINGS—									
Powder River Pipe Line Co.	4,453	42,856			448	37,655			9,206
TOTALS	647,228	2,465,112	128,712	583,448	6,395	539,272	2,036,393	583,448	658,992

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey Southwest Richey and Wills Creek Fields.

†Transferred to Butte Pipe Line Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF OCTOBER, 1959

Field	Big West Oil Co.	Carter Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Jet Fuel Refinery	Phillips Petro. Co.	Texaco Inc.	Texstar Corporation	Union Oil Co.	Total
Blackfoot										7,358	7,358
Bowes				21,194							21,194
Cat Creek			4,869		2,988	3,219					11,076
Clark's Fork					313						313
Cut Bank	28,307						76,309			81,425	186,041
Delphia						3,643					3,643
[redacted]y Creek					3,614						3,614
Elk Basin		174,266	78,960								253,226
Gage						1,815					1,815
Ivanhoe						3,434					3,434
Kevin-Sunburst	40,900										40,900
Melstone					5,136						5,136
Pondera							38,827				38,827
Reagan										17,319	17,319
Red Creek		9,133									9,133
Soap Creek									5,942		5,942
Sumatra		158,409			105,992						264,401
Sweetgrass Hills	377										377
Whitlash										979	979
Wolf Springs		47,261									47,261
Total Montana Oil	69,584	389,069	83,829	21,194	118,043	12,111	115,136		5,942	107,081	921,989
Canadian Oil Imported										660	660
[redacted]yoming Oil Imported		556,370	212,414		483,783						1,252,567
TOTAL Montana, Canadian and Wyoming Oil	69,584	945,439	296,243	21,194	601,826	12,111	115,136		5,942	107,741	2,175,216

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1958	25,108	.32	38,599	63,739
October, 1958	25,310	....	45,484	70,794
October, 1959	29,741	.21	40,406	70,168

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
39.39%	.05%	60.56%
35.75%	....	64.25%
42.38%	.03%	57.59%